

<b>Form PTO-1449 Modified</b>		Docket No. UPN-4914/Q3431	Application No. 10/585,718
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Carl T. Brighton	
U.S. Department of Commerce Patent and Trademark Office		Filing Date January 9, 2007	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>1</b>	Aaron, R.K., et al., "The conservative treatment of osteonecrosis of the femoral head," <i>Clin. Orthop.</i> , <b>1989</b> , 249, 209-218	
	<b>2</b>	Aaron, R.K., et al., "Stimulation of experimental endochondral ossification by low-energy pulsing electromagnetic fields," <i>J. Bone Miner. Res.</i> , November 2, <b>1989</b> , 4, 227-233	
	<b>3</b>	Bassett,C.A.L., "Low energy pulsing electromagnetic fields modify biomedical processes," <i>BioEssays</i> , <b>1987</b> , 6(1) , 36-42	
	<b>4</b>	Bassett, C.A.L., et al., "Effects of pulsed electromagnetic fields on Steinberg ratings of femoral head osteonecrosis," <i>Clin. Orthop.</i> , September <b>1989</b> , 246, 172-185	
	<b>5</b>	Bassett, C.A.L., et al., "Fundamental and practical aspects of therapeutic uses of pulsed electromagnetic fields (PEMSs)," <i>Crit. Rev. Biomed. Eng.</i> , <b>1989</b> , 17(5), 451-529	
	<b>6</b>	Bassett, C.A.L., et al., "Pulsing electromagnetic field treatment in ununited fractures and failed arthrodeses," <i>JAMA</i> , February 5, <b>1982</b> , 247(5), 623-628	
	<b>7</b>	Binder, A., et al., "Pulsed electromagnetic field therapy of persistent rotator cuff tendonitis," <i>Lancet</i> , March 31, <b>1984</b> , 695-698	
	<b>8</b>	Brighton, C.T., et al., "A multicenter study of the treatment of non-union with constant direct current," <i>J. Bone and Joint Surgery</i> , January <b>1981</b> , 62-A(1), 2-13	
	<b>9</b>	Brighton, C.T., et al., "Treatment of recalcitrant non-union with a capacitively coupled electrical field," <i>J. Bone and Joint Surgery</i> , April <b>1985</b> , 67-A(4), 577-585	
	<b>10</b>	Brighton, C.T., et al., "Treatment of castration-induced osteoporosis by a capacitively coupled electrical signal in rat vertebrae," <i>J. Bone and Joint Surgery</i> , February <b>1989</b> , 71-A(2), 228-236	
<b>EXAMINER</b>	/James Ketter/		<b>DATE CONSIDERED</b>
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	<b>11</b>	Brighton, C.T., et al., "Increased cAMP production after short-term capacitively coupled stimulation in bovine growth plate chondrocytes," <i>J. Orthop. Res.</i> , <b>1988</b> , 6, 552-558	
	<b>12</b>	Brighton, C.T., et al., "Treatment of denervation/disuse osteoporosis in the rat with a capacitively coupled electrical signal: effects on bone formation and bone resorption," <i>J. Orthop. Res.</i> , <b>1988</b> , 6, 676-684	
	<b>13</b>	Brighton, C.T., et al., "Fracture healing in the rabbit fibula when subjected to various capacitively coupled electrical fields," <i>J. Orthop. Res.</i> , <b>1985</b> , 3, 331-340	
	<b>14</b>	Brighton, C.T., et al., "In vitro bone-cell response to a capacitively coupled electrical field," <i>Clin. Orthop. Related Res.</i> , December <b>1992</b> , 285, 255-262	
	<b>15</b>	Brighton, C.T., et al., "Signal transduction in electrically stimulated bone cells," <i>J. Bone Joint Surg. Am.</i> , <b>2001</b> , 83-A(10), 1514-1523	
	<b>16</b>	Carter, E.L., et al., "Field distributions in vertebral bodies of the rat during electrical stimulation: a parametric study," <i>IEEE Trans. on Biomed. Eng.</i> , March <b>1989</b> , 36(3), 333-345	
	<b>17</b>	Goodman, R., et al., "Exposure of salivary gland cells to low-frequency electromagnetic fields alters polypeptide synthesis," <i>Proc. Natl. Acad. Sci. USA</i> , June <b>1988</b> , 85, 3928-3932	
	<b>18</b>	Goodwin, C.B., et al., "A double-blind study of capacitively coupled electrical stimulation as an adjunct to lumbar spinal fusions," <i>Spine</i> , <b>1999</b> , 24(13), 1349-1356	
	<b>19</b>	Grodzinsky, A.J., "Electromechanical and physicochemical properties of connective tissue," <i>Crit. Rev. Biomed. Engng.</i> , <b>1983</b> , 9(2), 133-198	
	<b>20</b>	Harrison, M.H.M., et al., "Use of pulsed electromagnetic fields in perthes disease: report of a pilot study," <i>J. Pediatr. Orthop.</i> , <b>1984</b> , 4, 579-584	
<b>EXAMINER</b>	/James Ketter/	<b>DATE CONSIDERED</b>	01/07/2009

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	<b>21</b>	Jones, D.B., et al., "PEMF effects on differentiation and division in murine melanoma cells are mediated indirectly through cAMP," <i>Trans. BRAGS</i> 6, <b>1986</b> , 51	
	<b>22</b>	Lorich, D.G., et al., "Biochemical pathway mediating the response of bone cells to capacitive coupling," <i>Clin. Orthop. and Related Res.</i> , <b>1998</b> , 350, 246-256	
	<b>23</b>	Massardo, L., et al., "Osteoarthritis of the knee joint: an eight year prospective study," <i>Ann Rheum Dis.</i> , <b>1989</b> , 48, 893-897	
	<b>24</b>	Mooney, V., "A randomized double-blind prospective study of the efficacy of pulsed electromagnetic fields for inter body lumbar fusions," <i>Spine</i> , <b>1990</b> , 15(7), 708-712	
	<b>25</b>	Norton, L.A., et al., "Pulsed electromagnetic fields alter phenotypic expression in chondroblasts in tissue culture," <i>J. Orthop. Res.</i> , <b>1988</b> , 6, 685-689	
	<b>26</b>	Pienkowski, D., et al., "Low-power electromagnetic stimulation of osteotomized rabbit fibulae," <i>J. of Bone &amp; Joint Surgery</i> , <b>1994</b> , 76-A(4), 489-501	
	<b>27</b>	Rodan, G.A., et al., "DNA synthesis in cartilage cells is stimulated by oscillating electric fields," <i>Science</i> , February 10, <b>1978</b> , 199, 690-692	
	<b>28</b>	Ryaby, J.T., et al., "Pulsing electromagnetic fields affect the phosphorylation and expression of oncogene proteins," <i>Trans. BRAGS</i> 6, <b>1986</b> , page 78	
	<b>29</b>	Ryaby, J.T., et al., "The effect of electromagnetic fields on protein phosphorylation and synthesis in murine melanoma cells," <i>BRAGS</i> , page 32	
	<b>30</b>	Wang, W., et al., "The increased level of PDGF-A contributes to the increased proliferation induced by mechanical stimulation in osteoblastic cells," <i>Biochem. And Molecular Biol. International</i> , October <b>1997</b> , 43(2), 339-346	
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	<b>31</b>	Wang, W., et al., "Up-regulation of chondrocyte matrix genes and products by electric fields," <i>Clin. Orthopaedics &amp; Related Res.</i> , 427S, S163-S173 (2004)		
	<b>32</b>	Zhuang, H., et al., "Mechanical strain-induced proliferation of osteoblastic cells parallels increased TGF- $\beta$ 1 mRNA," <i>Biochem. Biophys. Res. Commun.</i> , <b>1996</b> , 229, 449-453		
	<b>33</b>	Zhuang, H., et al., "Electrical stimulation induces the level of TGF- $\beta$ 1 mRNA in osteoblastic cells by a mechanism involving calcium/calmodulin pathway," <i>Biochem. Biophys. Res. Commun.</i> , <b>1997</b> , 237, 225-229		
	<b>34</b>	Brighton, C.T., et al., "Prevention and treatment of sciatic denervation disuse osteoporosis in rat tibia with capacitively coupled electrical stimulation," <i>Bone</i> , <b>1985</b> , 6, 87-97		
	<b>35</b>	Brighton, C.T., et al., "Treatment of nonunion of the tibia with a capacitively coupled electrical field," <i>J. of Trauma</i> , <b>1984</b> , 24(2), 153-155		
	<b>36</b>	Brighton, C.T., et al., "Tibial nonunion treated with direct current, capacitive coupling, or bone graft," <i>Clin. of Orthop. and Related Res.</i> , <b>1995</b> , 321, 223-234		
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<b>Examiner Initial</b>	<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>37</b> 4,430,999	02/14/84	Brighton, et al.	128	419	
	<b>38</b> 4,442,846	04/17/84	Brighton, et al.	128	784	
	<b>39</b> 4,467,808	08/28/84	Brighton, et al.	128	419F	
	<b>40</b> 4,487,834	12/11/84	Brighton	435	173	
	<b>41</b> 4,506,674	03/26/85	Brighton, et al.	128	419	
	<b>42</b> 4,509,520	04/09/85	Dugot	128	419	
	<b>43</b> 4,535,775	08/20/85	Brighton, et al.	128	419	
	<b>44</b> 4,549,547	10/29/85	Brighton, et al.	128	419 F	
	<b>45</b> 4,600,010	07/15/86	Dugot	128	419	
	<b>46</b> 4,683,873	08/04/87	Cadossi, et al.	128	1.5	
	<b>47</b> 5,014,699	05/14/91	Pollack, et al.	128	419	
	<b>48</b> 5,038,797	08/13/91	Batters	128	798	
	<b>49</b> 5,269,746	12/14/93	Jacobson	600	13	
	<b>50</b> 5,273,033	12/28/93	Hoffman	607	46	
	<b>51</b> 5,338,286	08/16/94	Abbott, et al.	600	14	
	<b>52</b> 5,374,283	12/20/94	Flick	607	46	
	<b>53</b> 5,743,844	04/28/98	Tepper, et al.	600	14	
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54	5,968,527	10/19/99	Litovitz	424	400	
55	6,083,149	07/04/00	Wascher, et al.	600	9	
56	6,132,362	10/17/00	Tepper, et al.	600	14	
57	6,186,940 B1	02/13/01	Kirschbaum	600	12	
58	6,261,221 B1	07/17/01	Tepper, et al.	600	14	
59	6,485,963 B1	11/26/02	Wolf, et al.	435	298.2	
60	6,605,089 B1	08/12/03	Michelson	606	61	
61	6,747,004 B1	06/08/04	Tabibzadeh	514	12	
62	2002/0052634 A1	05/02/02	March	607	50	
63	2003/0211084 A1	11/13/03	Brighton, et al.	424	93.7	
64	4,467,809	08/28/04	Brighton,	607	51	
65	6,292,699 B1	09/18/01	Simon, et al.	607	51	
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